APPLIED MATHEMATICS AND COMPUTATION

VOLUME 83

C. MUSÈS
Research Announcement
A Sphere-Packing Breakthrough via Dimensional Families 1

XIAO-QING JIN
A Note on Construction of Circulant Preconditioners from Kernels 3

DIAMANTIS P. KOREAS
The NP-Completeness of Chromatic Index in Triangle Free Graphs with Maximun Vertex of Degree 3 13

AHMET CENGIZ
A Study on the Epstein-Hubbell Generalized Elliptic-Type Integral Using Residue Theory 19

JURANG YAN
Oscillations of Second Order Neutral Functional Differential Equations 27

ZDZISŁAW SZAFRAŃSKI AND BŁAŻEJ SZMANDA
Oscillation Theorems for Some Nonlinear Difference Equations 43

HONGCI HUANG, WEIMIN HAN, AND JINSHI ZHOU
Extrapolation of Numerical Solutions for Elliptic Problems on Corner Domains 53

J. ARTHUR WOODWARD AND CHRISTINA G. S. PALMER
On the Exact Convolution of Discrete Random Variables 69

ERIC KINCANON
Ambiguities and Almost Reflectionless Potentials 79

MUHAMMAD TAHER ABUELMA'ATTI
Harmonic and Intermodulation Performance of Some Abrupt and Weak Nonlinearities 87

(Continued)

Special Issue on Multiple Objective Decision Making in Environmental Management

Diana S. Yakowitz and Keith W. Hipel
Multiple Objective Decision Making for "Lokahi" (Balance) in Environmental Management 97

Keith W. Hipel, D. Marc Kilgour, Liping Fang, and Xiaoyong (John) Peng
The Decision Support System GMCR in Environmental Conflict Management 117

Mark A. Ridgley, David C. Penn, and Liem Tran
Multicriterion Decision Support for a Conflict over Stream Diversion and Land-Water Reallocation in Hawaii 153

Philip Heilman, Diana S. Yakowitz, and Leonard J. Lane
Targeting Farms to Improve Water Quality 173

Jacques Antoine, Günther Fischer, and Marek Makowski
Multiple Criteria Land Use Analysis 195

S. A. Prathapar, W. S. Meyer, J. C. Madden, and E. Alociljá
SWAGMAN Options: A Hierarchical Multicriteria Framework to Identify Profitable Land Uses that Minimize Water Table Rise and Salinization 217

Kevin A. Parton and Ayut Nissapa
A Nonlinear Programming Model for Analyzing Aquaculture Policy Decision Making in Southern Thailand 241

G. Van Huylenbroeck
Multicriteria Tools for the Trade-off Analysis in Rural Planning between Economic and Environmental Objectives 261

Liping Fang, Keith W. Hipel, and D. Marc Kilgour
How Penalty Affects Enforcement of Environmental Regulations 281

Volume Contents